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Rebecca A. Bellas
(Type) or Print Name of Person Mailing Paper)

(Signature of Person Mailing Paper)

Docket No. 4736A

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Applicant:

James F. White

Serial No.:

10/771,640

Filed:

February 4, 2004

For:

IMPROVED CATALYST FOR PURIFICATION OF AROMATIC ACIDS

Art Unit:

Examiner: -

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Sir:

1. Pursuant to 37 C.F.R. 1.97 and 1.98, and in compliance with 37 C.F.R. 1.56, the Office's attention is directed to the patents, pending applications, publications and other information listed on the attached PTO-1449. A copy of each listed document is enclosed except for: (a) pending applications or (b) those previously cited or submitted to the Office in the following application(s) upon which this application relies for an earlier filing date under 35 U.S.C. 120: or (c) U.S. Patent(s) and published application(s) since the subject application was filed after June 30, 2003.

 Serial No.:
 10/036,822

 Filing Date:
 December 21, 2001

Regarding any document, publication or other information for which a date is not given on the attached PTO-1449, Applicant(s) believe(s) the same may qualify as "prior" art to this application and should be treated accordingly, although Applicant(s) reserve(s) the right to contest the prior art status of any document, publication or information, should issue arise.

- 2. Regarding each listed document that is not in the English language, an English-language translation accompanies this Statement as indicated on the attached PTO-1449 or a concise explanation of the relevance of the document is set forth in the following document(s):
 - (a) ___ Copy of each English language version of a search report indicating the degree of relevance found by the foreign office of each document being submitted from the search report.
 - (b) ____ Attachment entitled "Concise Explanation of Relevance of Non-English Language Documents".

3.	Pursuant	to 37 C.F.R. 1.97(b) this Statement is being filed (one must be checked):
	(a) <u>X</u>	Within 3 months of the filing date or date of entry into the National Stage.
	(b)	Before the mailing date of a first Office Action on the merits. If this Statement is not filed before the mailing date of a first Office Action on the merits, the required certification is given below or, in the absence thereof, the Office is authorized to charge the required fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 50-1063 for consideration of this Statement.
	(c)	Before the mailing date of a first Office Action on the merits after a first or second submission after final rejection under 37 C.F.R. 1.129(a).
	(d)	After the period set forth in 37 C.F.R. 1.97(b) but before the mailing date of either a final action or a notice of allowance.
	(1)	_ The required certification is given below, or
	(2)	Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(p) for consideration of this Statement, or
	(3)	Charge the fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 50-1063
	(e)	After the mailing date of either a final action or a notice of allowance, but before payment of the issue fee. Petition hereby is made for consideration of this Statement and the required certification is indicated below.
	(1)	_ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(i)(1), or
	(2)	_ Charge the fee set forth in 37 C.F.R. 1.17(i)(1) to Deposit Account No. 50-1063.
4.	Certificat	ion (if applicable)
	(a)	The undersigned hereby certifies that each item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this Statement.
	(b)	The undersigned hereby certifies that no item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the undersigned's knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than 3 months prior to the filing of this Statement.
5. Depo	The Consit Accour	nmissioner is hereby authorized to charge any additional fees or credit any overpayment to nt No. 50-1063.
		Respectfully Submitted,
		AMIN & TUROCY, L.L.P.

24TH Floor, National City Center 1900 East 9th Street Cleveland, OH 44114 Telephone: (216) 696-8730 Facsimile: (216) 696-8731

Gregory Turocy Reg. No. 36,952

PTO/SB/08A (04-03)

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Sheet 1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number 10/771,640

Filing Date February 4, 2004

First Named Inventor James F. White

Art Unit Examiner Name

Attorney Docket Number 4736A

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Whe Relevant Passages or Relevant Figures Appear	
		US- 2,409,494	10/15/1946	Keating		
		^{US-} 2,556,616	06/12/1951	Ellis		
		^{US-} 2,611,750	09/23/1952	White		
		^{US-} 3,084,394	04/09/1963	Bickerdike, et al.		
		^{US-} 3,109,712	11/05/1963	Redfern		
		^{US-} 3,162,607	12/22/1964	Burbidge, et al.		
		^{US-} 3,171,720	03/02/1965	Shea, Jr., et al.		
		^{US-} 3,198,714	08/03/1965	Johnson, et al.		
		^{US-} 3,235,346	02/15/1966	Hucke		
	ŀ	^{US-} 3,288,475	11/29/1966	Benoit		
		^{US-} 3,310,611	03/21/1967	Zocher		
		^{US-} 3,342,555	09/19/1967	McMillan		
		^{US-} 3,345,440	10/03/1967	Googin, et al.		
		us- 3,348,967	10/24/1967	Hucke	·	
		us- 3,352,788	11/14/1967	Conlisk		
		us- 3,387,940	06/11/1968	McHenry, et al.		
		^{US-} 3,446,593	05/27/1969	Mostssd		
		^{US-} 3,446,865	05/27/1969	Roth, et al.		
		^{US-} 3,544,502	12/01/1970	Boyer, et al.		

	FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages					
	Country Code ³ Number ⁴ Kind Code ⁵ (if known)		MM-DD-YYYY		Or Relevant Figures Appear	T ⁶				
	1	0 347 830	12/27/1989	Morikawa, Shinsuke						
		WO 01/21306 A1	03/29/2001	Konishi, Mitsuo						
		WO 01/08798 A1 😿	02/08/2001	Pomahehko						
		EP 1 127 865 A1 ·	08/29/2001	Goto, Yoshihiko, et al.						
		EP 1 205 241 A1	05/15/2002	Romanenko, et al.						
		EP 1 232 789 A1	08/21/2002	Konishi, Mitsuo, et al.						

Examiner	Date	
Signature	Considered	

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known

Application Number 10/771,640

Filing Date February 4, 2004

First Named Inventor James F. White

Art Unit Examiner Name

Attorney Docket Number 4736A

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		^{US-} 3,565,980	02/23/1971	Otani	
		^{US-} 3,574,548	04/13/1971	Sands, et al.	
		^{US-} 3,608,170	09/28/1971	Larson, et al.	
		^{US-} 3,626,042	12/7/1971	Appleby, et al.	
		^{US-} 3,628,984	12/21/1971	Ishlkawa, et al.	
		^{US-} 3,634,569	01/11/1972	Emanuelson, et al.	
		^{US-} 3,635,676	01/18/1972	Sands	
		^{US-} 3,657,166	04/18/1972	Caldwell	
		^{US-} 3,663,171	05/16/1972	Granger	
		^{US-} 3,775,078	11/27/1973	Elmer, et al.	
		^{US-} 3,859,421	01/07/1975	Hucke	
		^{US-} 3,964,933	06/22/1976	Fung, et al.	
		^{US-} 4,029,567	06/14/1977	Farnand, et al.	
		^{US-} 4,061,596	12/06/1977	Matsushita, et al.	
		us- 4,076,873	02/28/1978	Shea	
		us- 4,082,694	04/04/1978	Wennerberg, et al.	
		^{US-} 4,090,978	05/23/1978	Welsh, et al.	
		^{US-} 4,206,078	06/03/1980	Ohorodnik, et al.	
		^{US-} 4,263,268	04/21/1981	Knox, et al.	

Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,	Π
Initials*	No.'	Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages Or Relevant Figures Appear	Τ'
		WO 03/055599	07/10/2002	Engelhard Corp.		
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Examiner	Date	
Signature	Considered	

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Sheet 3

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Application Number 10/771,640

Filing Date February 4, 2004

First Named Inventor James F. White

Art Unit Examiner Name

Complete if Known

U. S. PATENT DOCUMENTS Name of Patentee or Examiner Cite Document Number Publication Date Pages, Columns, Lines, Where MM-DD-YYYY Applicant of Cited Document Initials* No. Relevant Passages or Relevant Number-Kind Code² (# known) Figures Appear US- 4,329,260 05/11/1982 Lester, et al. ^{US-} 4.603,119 07/29/1986 Karl, et al. US- 4,668,496 05/26/1987 Korb, et al. ^{US-} 4,892,972 01/09/1990 Schroeder, et al. US- 4,954,469 09/04/1990 Robinson ^{US-} 4,987,116 01/22/1991 Karl, et al. US-5.362,908 11/08/1994 Schroeder, et al. US-5,616,792 04/01/1997 Bartos, et al. US-5.756.833 05/26/1998 Rosen, et al. ^{US-} 5,965,483 10/12/1999 Baker, et al. US- 5.726.118 03/10/1998 lvey, et al. ^{US-} 5,538,932 07/23/1996 Yan, et al. US- 5,304,527 04/19/1994 Dimitri us- 4,052,336 10/04/1977 Montfoort, et al. us-5,773,657 06/30/1998 Rutter, et al. US- 5,877,360 03/02/1999 Moore, et al. US-US-

	FOREIGN PATENT DOCUMENTS								
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INF	ORMATION	DIS	CLOSURE	Filing Date	February 4, 2004	_	
STATEMENT BY APPLICANT				First Named Inventor	James F. White		
	(11	-4		Art Unit			
(Use as many sheets as necessary)			ecessary)	Examiner Name		_	
Sheet	4	of	4	Attorney Docket Number	4736A	$\overline{\mathcal{I}}$	

Examiner	Cite	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of	
Initials*	No. ¹	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Bernotas, Ronald C., et al. "The Use of Pearlman's Catalyst for Selective N-Debenzylation in the Presence of Benzyl Ethers," Synthetic Communications, 20(8), 1209-1212 1990.	
		Seif, Louis S., et al. "Selective Hydrogenolysis of Benzyl and Carbonbenzyloxy Protecting Groups for Hydroxyl and Amino Functions," Catalysts of Organic Reactions, 1990 147-216.	
		Studer, Martin, et al. "Influence of Catalyst Type, Sovlent, Acid and Base on the Selectivity and Rate in the Catalytic Debenzylation of 4-chloro-N,N-dibenzyl aniline with Pd/C and H2," Journal of Molecular Catalysis A: Chemical 112 (1996) 437-445.	
		International Search Report, PCT/US02/39415, April 17,2003	
		·	

Examiner	Date	
Signature	Considered	i

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